

Claims

1. Photostructurable liquid composition for the production of a hydrogel layer based on polyacrylamide, characterized in that the composition has, in addition to the monomer precursor of the polyacrylamide, the cross-linking agent and photoinitiator, at least one film former, at least one comonomer with reactive linker groups and at least one softener.
- 10 2. Composition in accordance with claim 1, characterized in that the film former is a water-soluble polymer.
- 15 3. Composition in accordance with claim 2, characterized in that the water-soluble polymer is chosen as a film former from the group consisting of polyvinylpyrrolidone, polyacrylamide and/or polyhydroxyethylmethacrylate.
- 20 4. Composition in accordance with claims 1 to 3, characterized in that the comonomer with reactive linker groups is chosen from the group consisting of maleic anhydride and/or glycidyl(meth)acrylate.
- 25 5. Composition in accordance with one of claims 1 to 4, characterized in that the softener is chosen from the group consisting of mono-, di- and/or triethyleneglycol.
- 30 6. Composition in accordance with one of claims 1 to 5, characterized in that the polyacrylamide arrangement is based on acrylicamide, methylenebisacrylamide and/or dimethacrylic-acid esters.
- 35 7. Composition in accordance with one of claims 1 to 6, characterized in that it is present in a polar water-miscible solvent.
8. Use of a composition in accordance with one of claims 2 to 7, for the production of a hydrogel using photostructuring by contact exposure.

9. Use of a composition in accordance with one of claims 1 to 7, for the production of an immobilizing layer for biomolecules on a transducer surface.